Public Notice
Proposed Issuance of a
Construction Permit/PSD Approval to
ADM Corn Processing Plant in Decatur

ADM Corn Processing Plant (ADM) has applied for a construction permit from the
Illinois Environmental Protection Agency (Illinois EPA) to install a new slow-rate
anaerobic wastewater treatment system at ADM's East Plant located at 4666 Faries
Parkway in Decatur. The project needs a construction permit from the Illinois EPA
Bureau of Air because it will be a source of air emissions. The new system will produce
biogas, which is planned to be used as a replacement for natural gas in the processes at
the East Plant. The permit also allows the replacement of burners or burner components
on seven fiber feed dryers with burners of equal capacity that will be able to burn the
biogas. The proposed system qualifies as a major modification under the federal rules for
Prevention of Significant Deterioration (PSD), 40 CFR 52.21, for nitrogen oxides (NO_x),
carbon monoxide (CO) and sulfur dioxide (SO_2).

Based on its review of ADM's application, the Illinois EPA has made a preliminary
determination that this project is entitled to a construction permit. **The Illinois EPA is
accepting comments prior to making a final decision on the application for this
project. Comments must be postmarked by midnight February 19, 2006.** If
sufficient interest is expressed in this matter, a hearing may be held. Comments,
questions and requests for information, should be directed to Brad Frost, Bureau of Air,
Illinois EPA, P. O. Box 19506, Springfield, IL 62794-9506, phone 217/782-2113, TDD
217/782-9143.

Persons wanting more information may view the draft permit and project summary at
www.epa.gov/region5/air/permits/ilonline.htm (please look under All Permit Records,
PSD, New). These documents and the application may also be viewed at the Illinois
EPA's offices at 2125 South First Street in Champaign, 217/278-5800 and 1340 N. Ninth
St., Springfield, 217/782-7027 (please call ahead to assure that someone will be available
to assist you). Copies of the documents will be made available upon request.

The new wastewater treatment system would reduce the contaminant loading of the
facility's wastewater prior to further treatment in the existing aerobic treatment system.
The system will consist of four new lagoons covered with a floating membrane to capture
biogas. The biogas, which is mostly methane, is formed by the anaerobic activity in the
lagoons. Emissions from the new treatment system will be controlled by a multi-stage
Lo-Cat® control system, which uses absorption and oxidation to remove hydrogen sulfide
(H_2S) from the biogas. In the event that process equipment cannot accept the biogas, it
will be routed to a flare.

Under the PSD rules, ADM must use Best Available Control Technology (BACT) for
control of SO_2, NO_x and CO emissions from the new treatment system. SO_2 emissions
will be controlled by the Lo-Cat® system. NO_x and CO emissions will be controlled by

proper operation of the flare. Illinois EPA's initial review indicates this will constitute BACT for the new treatment system.

The air quality impact analysis prepared pursuant to the PSD rules for this project indicates that it will not cause a violation of the air quality standards or PSD increments for NO_x, CO or SO_2. For NO_x, the project's peak impacts are at most 0.04 micrograms per cubic meter ($\mu g/m^3$) annually compared to the standard of 100 $\mu g/m^3$.   For CO, the project's peak impacts are at most 4.10 $\mu g/m^3$ for the 8-hour average and 10.83 $\mu g/m^3$ 1-hour average compared to standards of 10,000 $\mu g/m^3$ 8-hour average and 40,000 $\mu g/m^3$ 1-hour average. For SO_2, the project's peak impacts are at most 0.03 $\mu g/m^3$ annual average, 0.37 $\mu g/m^3$ 24-hour average, and 1.07 $\mu g/m^3$ 3-hour average compared to standards of 80 $\mu g/m^3$ annual average, 365 $\mu g/m^3$ 8-hour average, and 1,300 3-hour average.